

**Atlas Copco** Surface drill rigs  
**PowerROC D55**



**Hole diameter: 110–165 mm (4 5/16"– 6 1/2")**

*Sustainable Productivity*

**Atlas Copco**



# Power up your performance with a partner you can trust

**The PowerROC D55 is designed according to our philosophy of giving the customers a reliable drill rig with high capacity, maximum uptime and simplicity in operation.**

## **Powerful and economical in drilling**

PowerROC D55 is equipped with an onboard Atlas Copco C146 + SIS compressor delivering 271.3 l/s of air up to a pressure of 20 bar for high penetration rate and strong flushing, helping to ensure straight and clean holes. The straightforward hydraulic design with strong piston pumps delivers productivity and reliability even in demanding applications.

## **Maneuverability, mobility and safety in focus**

The PowerROC D55 crawler has excellent maneuverability. The high ground clearance and fast tramming ability enables the rig to drill in tough terrain and achieve safe transportation on site. PowerROC D55 features a strong single section boom design, centrally located, this gives the operator a good view, offering easy and straightforward positioning.

## **DTH hammers – strikingly efficient**

The PowerROC D55 can be equipped with a range of Atlas Copco down-the-hole hammers which are well known for their high performance in terms of speed and reliability. With high penetration rates and low fuel consumption per meter drilled Atlas Copco's hammers make a positive impact on your bottom line.

## **Easy maintenance and serviceability**

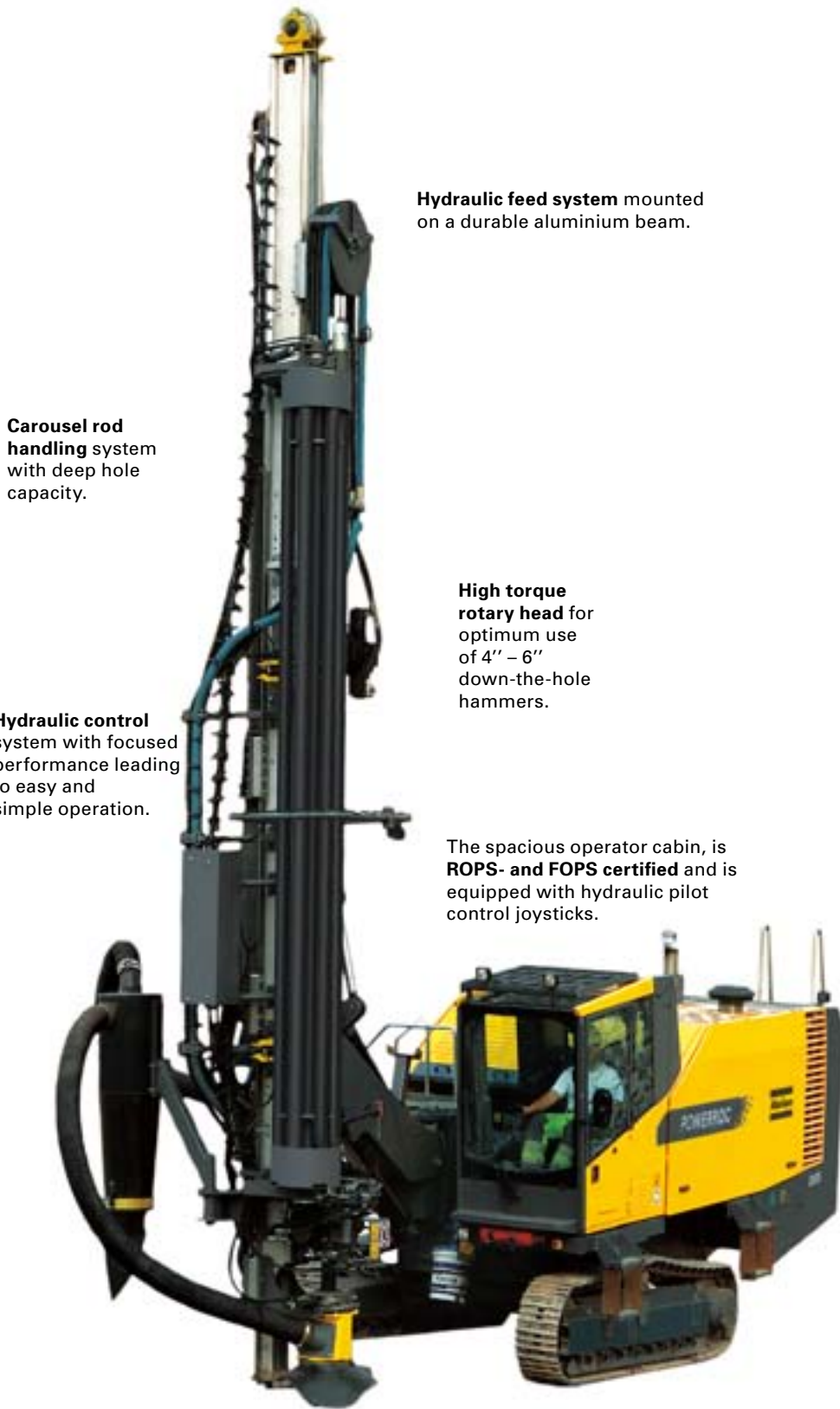
Like all our crawlers, the PowerROC D55 is designed for easy maintenance with ready access to service points. All hoses, cables and the simplified electrical system are marked at each end to coincide with the schematic drawings in spare parts lists for easy trouble-shooting.

## Main benefits

- Easy operation and maintenance in various drilling applications
- High reliability due to straightforward design
- Robust and highly productive thanks to the use of the proven Atlas Copco technology







**Carousel rod handling system** with deep hole capacity.

**Hydraulic control system** with focused performance leading to easy and simple operation.

**Hydraulic feed system** mounted on a durable aluminium beam.

**High torque rotary head** for optimum use of 4" – 6" down-the-hole hammers.

The spacious operator cabin, is **ROPS- and FOPS certified** and is equipped with hydraulic pilot control joysticks.

**Powerful diesel engine** has good power margin for high productivity.

*Atlas Copco*

## Quick facts

### Main application:

Limestone quarries  
Surface mining  
Aggregate quarries

### Drilling method:

Down-The-Hole

### DTH hammer:

QL 45 QM, QL 55 QM  
QL 50 STD  
QL 60 STD  
COP 44  
COP 54  
COP 64

### Drill steel:

89 mm  
102 mm  
114mm

### Hole diameter:

110-165 mm (4 5/16" – 6 1/2")

### Maximum hole depth:

29.4 m (96.5')

### Engine power:

Rating at 1800 rpm  
261 kW (350 HP)

### Available air flow (FAD):

271.3 l/s (575 cfm)

## Selection of options

### Lifting aid

The feed mounted **service winch** offers lifting capacity when loading drill tubes into the rod handling system for extended hole depth, or for lifting of components during service. The control is conveniently located at the break out table.

### Stable hole walls

The **water mist system** is the ideal tool for stabilizing hole walls when drilling in poor rock conditions.

### Central lubrication

The **central lubrication system** spreads a measured amount of grease evenly around the pin and bushing to ensure joints are effectively lubricated.